

# ANGELETTE-M2-PLAIN

~35° medium beam. Clean appearance with no additional attachment interface

## **TECHNICAL SPECIFICATIONS:**

Dimensions	Ø 110.0 mm
Height	57.3 mm
Fastening	socket
ROHS compliant	yes 🛈



## **MATERIAL SPECIFICATIONS:**

Component	Туре	Material	Colour	Finish	Coating
ANGELETTE-M2-PLAIN	Reflector	PC	metal		

## **ORDERING INFORMATION:**

#### Component

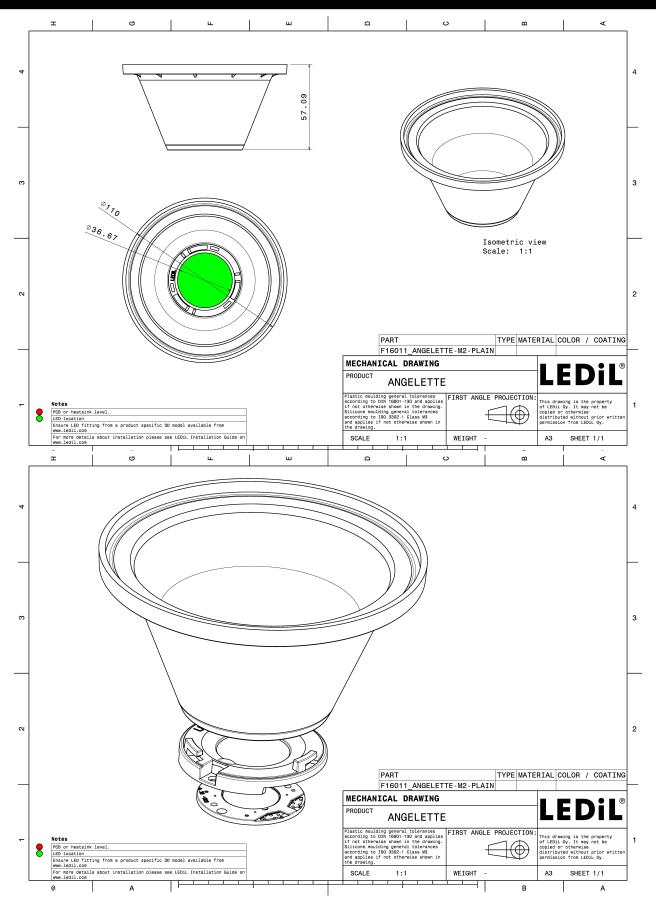
F16011\_ANGELETTE-M2-PLAIN

Qty in box	MOQ	MPQ	Box weight (kg)
120	90	30	5.3

» Box size: 398 x 298 x 265 mm

# 

# PRODUCT DATASHEET F16011\_ANGELETTE-M2-PLAIN



See also our general installation guide: www.ledil.com/installation\_guide



# **PHOTOMETRIC DATA (MEASURED):**

bridgelux.		55*	90*
LED	Vesta TW 15mm DP		
FWHM / FWTM	39.0° / 83.0°	75	100
Efficiency	79 %		
Peak intensity	1.2 cd/lm		60.
LEDs/each optic	1		
Light colour	Tunable White	au au	45
Required compone			
C13658_CLAM			
Bender Wirth: 4		30° 127 a	36,
bridgelux.			90*
LED	Vesta TW 15mm DP		
FWHM / FWTM	37.0° / 80.0°	27	A Ja
Efficiency	85 %		XX
Peak intensity	1.4 cd/lm		60
LEDs/each optic	1		
Light colour	Tunable White	e <sup>r</sup> / - <u>199</u>	45.
Required compone	ents:		
C13658_CLAM			
Bender Wirth: 4		120	
		30	15° 3(°
bridgelux.		50°	90*
bridgelux. LED	Vesta TW 18mm (31W) DP	59°	904
bridgelux. LED FWHM / FWTM	Vesta TW 18mm (31W) DP 43.0° / 84.0°	90°	50'
LED FWHM / FWTM		29°	90
LED FWHM / FWTM Efficiency	43.0° / 84.0°		90
LED FWHM / FWTM Efficiency Peak intensity	43.0° / 84.0° 80 %		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	43.0° / 84.0° 80 % 1.1 cd/lm	99* 75* 69* 50 50 50	99 99
LED FWHM / FWTM Efficiency Peak intensity	43.0° / 84.0° 80 % 1.1 cd/lm 1 Tunable White	99° 75° 68° 68° 68° 68° 68° 68° 68° 68°	99 75 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	43.0° / 84.0° 80 % 1.1 cd/lm 1 Tunable White ents:	5° 50° 50° 50° 50° 50° 50° 50°	99 75 65
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	43.0° / 84.0° 80 % 1.1 cd/lm 1 Tunable White ents: P-VERO29	90°	99' 99'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAM	43.0° / 84.0° 80 % 1.1 cd/lm 1 Tunable White ents: P-VERO29 RZ-LENS		99' 59' 60' 60' 60' 60' 60' 60' 60' 60' 60' 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAMF F13671_ANGE	43.0° / 84.0° 80 % 1.1 cd/lm 1 Tunable White ents: P-VERO29 RZ-LENS		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAMF F13671_ANGE- Bender Wirth: 44	43.0° / 84.0° 80 % 1.1 cd/lm 1 Tunable White ents: P-VERO29 RZ-LENS		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAME F13671_ANGE- Bender Wirth: 44	43.0° / 84.0° 80 % 1.1 cd/lm 1 Tunable White ents: P-VERO29 RZ-LENS 83 Typ L3		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAMf F13671_ANGE- Bender Wirth: 44 bridgeLux. LED	43.0° / 84.0° 80 % 1.1 cd/lm 1 Tunable White ents: P-VERO29 RZ-LENS 83 Typ L3		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAMF F13671_ANGE- Bender Wirth: 44 bridgeLUX LED FWHM / FWTM	43.0° / 84.0° 80 % 1.1 cd/lm 1 Tunable White ents: P-VERO29 RZ-LENS 83 Typ L3 Vesta TW 18mm (31W) DP 41.0° / 82.0°		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAMf F13671_ANGE- Bender Wirth: 44 bridgeLux. LED FWHM / FWTM Efficiency	43.0° / 84.0° 80 % 1.1 cd/lm 1 Tunable White ents: P-VERO29 RZ-LENS 83 Typ L3 Vesta TW 18mm (31W) DP 41.0° / 82.0° 85 %		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAMF F13671_ANGE- Bender Wirth: 44 bridgeLUX. LED FWHM / FWTM Efficiency Peak intensity	43.0° / 84.0° 80 % 1.1 cd/lm 1 Tunable White ents: P-VERO29 RZ-LENS 83 Typ L3 Vesta TW 18mm (31W) DP 41.0° / 82.0° 85 % 1.3 cd/lm		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAMF F13671_ANGE- Bender Wirth: 44 bridgeLUX LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	43.0° / 84.0° 80 % 1.1 cd/lm 1 Tunable White ents: P-VERO29 RZ-LENS 83 Typ L3 Vesta TW 18mm (31W) DP 41.0° / 82.0° 85 % 1.3 cd/lm 1 Tunable White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAMF F13671_ANGE- Bender Wirth: 44 bridgeLUX LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	43.0° / 84.0° 80 % 1.1 cd/lm 1 Tunable White ents: P-VERO29 RZ-LENS 83 Typ L3 Vesta TW 18mm (31W) DP 41.0° / 82.0° 85 % 1.3 cd/lm 1 Tunable White ents:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAMF F13671_ANGE- Bender Wirth: 43 bridgeLUX. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	43.0° / 84.0° 80 % 1.1 cd/lm 1 Tunable White ents: P-VERO29 RZ-LENS 83 Typ L3 Vesta TW 18mm (31W) DP 41.0° / 82.0° 85 % 1.3 cd/lm 1 Tunable White ents: P-VERO29		



# **PHOTOMETRIC DATA (MEASURED):**

bridgelux.		50 <sup>4</sup> 50 <sup>5</sup>
LED	Vesta TW 22mm DP	
FWHM / FWTM	46.0° / 85.0°	70
Efficiency	79 %	
Peak intensity	1.1 cd/lm	60 <sup>27</sup> 400
LEDs/each optic	1	
Light colour	Tunable White	<i>v</i> .
Required compone	nts:	
C13584_CLAMF		
F13671_ANGE-I	RZ-LENS	
Bender Wirth: 49	94 Typ L3	34 45 44 35
bridgelux.		94 <sup>4</sup> 94 <sup>5</sup>
LED	Vesta TW 22mm DP	
FWHM / FWTM	44.0° / 82.0°	
Efficiency	85 %	
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	Tunable White	e. e.
Required compone	nts:	
C13584_CLAMF		
Bender Wirth: 49	94 Typ L3	
		30'
		120 V
		5)*
	CXA/B 1816 & CXA/B 1820 & CXA 1850	99 <sup>4</sup> 99 <sup>4</sup>
LED FWHM / FWTM	CXA/B 1816 & CXA/B 1820 & CXA 1850 32.0° / 79.0°	25- 25- 25-
LED FWHM / FWTM Efficiency	CXA/B 1816 & CXA/B 1820 & CXA 1850	80° 23 24 26° 26°
LED FWHM / FWTM Efficiency Peak intensity	CXA/B 1816 & CXA/B 1820 & CXA 1850 32.0° / 79.0° 89 % 1.6 cd/lm	64 64 70 70 70 70 70 70 70 70 70 70 70 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CXA/B 1816 & CXA/B 1820 & CXA 1850 32.0° / 79.0° 89 % 1.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CXA/B 1816 & CXA/B 1820 & CXA 1850 32.0° / 79.0° 89 % 1.6 cd/lm 1 White	50° 50° 50° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CXA/B 1816 & CXA/B 1820 & CXA 1850 32.0° / 79.0° 89 % 1.6 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CXA/B 1816 & CXA/B 1820 & CXA 1850 32.0° / 79.0° 89 % 1.6 cd/lm 1 White nts:	5- 5- 5- 5- 5- 5- 5- 5- 5- 5- 5- 5- 5- 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CXA/B 1816 & CXA/B 1820 & CXA 1850 32.0° / 79.0° 89 % 1.6 cd/lm 1 White nts:	5- 5- 5- 5- 5- 5- 5- 5- 5- 5- 5- 5- 5- 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CXA/B 1816 & CXA/B 1820 & CXA 1850 32.0° / 79.0° 89 % 1.6 cd/lm 1 White nts:	5- 5- 5- 5- 5- 5- 5- 5- 5- 5- 5- 5- 5- 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CXA/B 1816 & CXA/B 1820 & CXA 1850 32.0° / 79.0° 89 % 1.6 cd/lm 1 White nts: 2-CXA15-18	5- 5- 5- 5- 5- 5- 5- 5- 5- 5- 5- 5- 5- 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14123_CLAMF	CXA/B 1816 & CXA/B 1820 & CXA 1850 32.0° / 79.0° 89 % 1.6 cd/lm 1 White nts: P-CXA15-18	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14123_CLAMF	CXA/B 1816 & CXA/B 1820 & CXA 1850 32.0° / 79.0° 89 % 1.6 cd/lm 1 White nts: P-CXA15-18	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14123_CLAMF	CXA/B 1816 & CXA/B 1820 & CXA 1850 32.0° / 79.0° 89 % 1.6 cd/lm 1 White nts: P-CXA15-18	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14123_CLAMF SAMSU LED FWHM / FWTM Efficiency	CXA/B 1816 & CXA/B 1820 & CXA 1850 32.0° / 79.0° 89 % 1.6 cd/lm 1 White nts: -CXA15-18	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14123_CLAMF C14123_CLAMF SAMSU LED FWHM / FWTM Efficiency Peak intensity	CXA/B 1816 & CXA/B 1820 & CXA 1850 32.0° / 79.0° 89 % 1.6 cd/lm 1 White nts: -CXA15-18	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14123_CLAMF C14123_CLAMF SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CXA/B 1816 & CXA/B 1820 & CXA 1850 32.0° / 79.0° 89 % 1.6 cd/lm 1 White nts: P-CXA15-18 <b>JNG</b> LC035T (Tunable white) 48.0° / 87.0° 79 % 1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14123_CLAMF C14123_CLAMF SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CXA/B 1816 & CXA/B 1820 & CXA 1850 32.0° / 79.0° 89 % 1.6 cd/lm 1 White nts: P-CXA15-18 JNCG LC035T (Tunable white) 48.0° / 87.0° 79 % 1 cd/lm 1 Tunable White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14123_CLAMF SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CXA/B 1816 & CXA/B 1820 & CXA 1850 32.0° / 79.0° 89 % 1.6 cd/lm 1 White nts: P-CXA15-18	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14123_CLAMF SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C13584_CLAMF	CXA/B 1816 & CXA/B 1820 & CXA 1850 32.0° / 79.0° 89 % 1.6 cd/lm 1 White nts: P-CXA15-18	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14123_CLAMF SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CXA/B 1816 & CXA/B 1820 & CXA 1850 32.0° / 79.0° 89 % 1.6 cd/lm 1 White nts: P-CXA15-18	



# PHOTOMETRIC DATA (MEASURED):

SAMS	UNG	90 <sup>3</sup>
LED	LC035T (Tunable white)	
FWHM / FWTM	44.0° / 83.0°	
Efficiency	85 %	
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	Tunable White	at at
Required compone	ents:	
C13584_CLAM	P-VERO29	
Bender Wirth: 5	602 Typ L3	
		30+ 155 0+ 157 34+
XICATO	0	90*
LED	XIM - 19mm LES	77
FWHM / FWTM	37.0° / 80.0°	
Efficiency	88 %	607 609
Peak intensity	1.4 cd/lm	
	1.4 Cu/III	
-	1	
LEDs/each optic		er. ev
LEDs/each optic Light colour Required compone	1 White	a
LEDs/each optic Light colour Required compone	1 White	
LEDs/each optic Light colour Required compone	1 White ents:	
LEDs/each optic Light colour Required compone	1 White ents:	



#### **GENERAL INFORMATION:**

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

## **MATERIALS:**

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

## PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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